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BEYER WEAVER & THOMAS, LLPINTELLECTUAL PROPERTY LAW
500 12th Street, Suite 200, Oakland, CA 94607
Telephone: (510) 663-1100 Facsimile: (510) 663-0920
www.beyerlaw.com**FACSIMILE COVER SHEET**

August 4, 2006

Receiver: Examiner Lori A. Clow
(USPTO Central Fax)**FAX #:** (571) 273-8300**Sender:** Denise S. Bergin
Our Ref. No.: 1584.002/UCSFP001**Application No:** 09/580,380**Re:** 1. Amendment Transmittal
2. Amendment F**Pages Including Cover Sheet(s):** 10**MESSAGE:****CONFIDENTIALITY NOTE**

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AUG 04 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Gibson, et al.

Attorney Docket No.: UCSFP001/1584.002

Application No.: 09/580,380

Examiner: Clow, Lori A.

Filed: May 26, 2000

Group: 1631

Title: METHOD OF DETERMINING THE
THREE-DIMENSIONAL SHAPE OF A
MACROMOLECULE

CERTIFICATE OF FACSIMILE TRANSMISSION

I hereby certify that this correspondence is being transmitted by
facsimile to fax number 571-273-8300 to the U.S. Patent and
Trademark Office on August 4, 2006.

Signed

Tara Hayden

AMENDMENT F

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

This Amendment is in response to the Final Office Action dated March 24, 2005 and supplements the Response filed on June 23, 2006. Applicants respectfully request entry of the amendments provided below:

Amendments to the Claims are provided in the **Listing of Claims**

Remarks/Arguments begin on page 2 of this paper.